

Amendments to the Specification:

On page 1, before line 1, please insert the heading:

Background

On page 1, before line 16, please insert the heading:

Summary

On page 1, please delete the paragraph spanning lines 19-21 in its entirety as follows:

~~This object of the invention are achieved by a method as defined in Claim 1. The invention is further related to an apparatus as defined in Claim 6 and to a computer program product as defined in Claim 9.~~

On page 1, please amend the paragraph spanning lines 22-24 as follows:

The main One advantage of the present invention is that the method allows the use of any position-dependent field pattern, which is substantially non-linear, so that subsampling method like SENSE can also be applied for a MR systems with imperfect coils.

On page 1, before line 25, please insert the heading:

Brief Description of the Drawings

On page 2, please amend the first nine paragraphs spanning lines 1-10 as follows:

Fig. 1 diagrammatically illustrates a magnetic resonance imaging system ~~in which the present invention is used,~~

Fig. 2 depicts a one-dimensional object acquired with two field-patterns,

Fig. 3 ~~the~~ illustrates an x-component of the field caused by the two field patterns,

Fig. 4 illustrates the locus of the object-space in G-space,

Fig. 5 illustrates folding of the object-locus in G-space due to undersampling,

Fig. 6 illustrates exemplary position dependent field patterns of four conductor systems,

Fig. 7 illustrates an exemplary locus of the object in G-space,

Fig. 8 illustrates the same locus as in Fig. 7 with a single measurement point, and

Fig. 9 illustrates the same locus as in Fig. 7 with several measurement points.

On page 2, before line 13, please insert the heading:

Detailed Description

On page 7, after line 20, please insert the following new paragraph:

The invention has been described with reference to the preferred embodiments. Modifications and alterations may occur to others upon reading and understanding the preceding detailed description. It is intended that the invention be constructed as including all such modifications and alterations insofar as they come within the scope of the appended claims or the equivalents thereof.